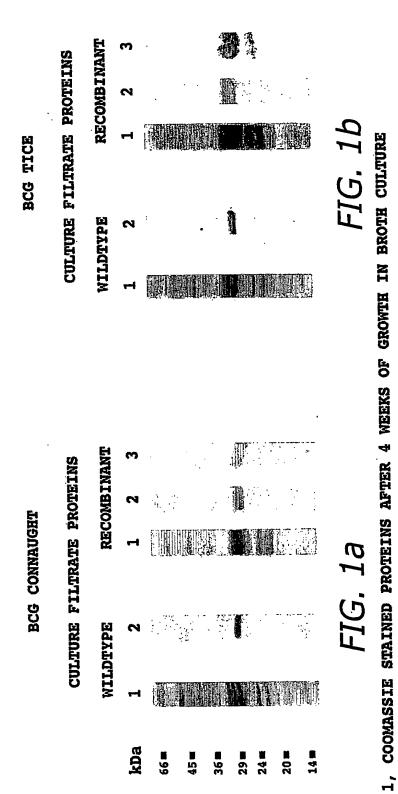
BCG M. TUBERCULOSIS 30 kDa MAJOR EXTRACELLULAR PROTEIN BY SECRETION OF



IMMUNOBLOT WITH ANTI-30 KDA PROTEIN IGG AFTER 4 WEEKS OF GROWTH IN BROTH CULTURE

2

IMMUNOBLOT WITH ANTI-30 kDa PROTEIN IGG AFTER 12 WEEKS OF GROWTH IN BROTH CULTURE WITHOUT HYGROMYCIN 'n

2/13

FIG. 2a

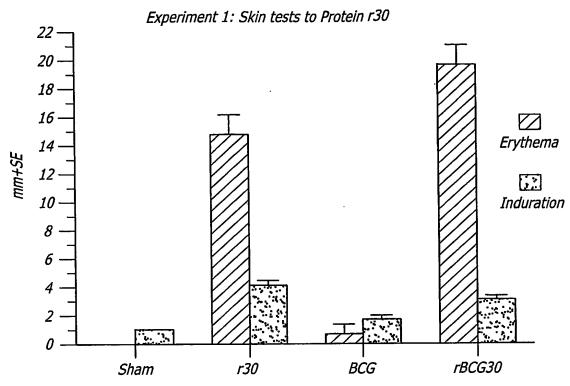


FIG. 2b

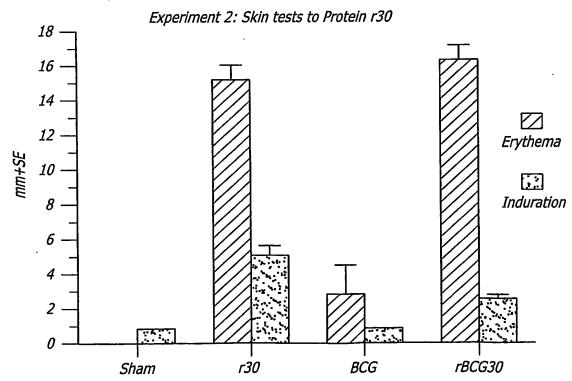
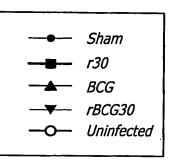
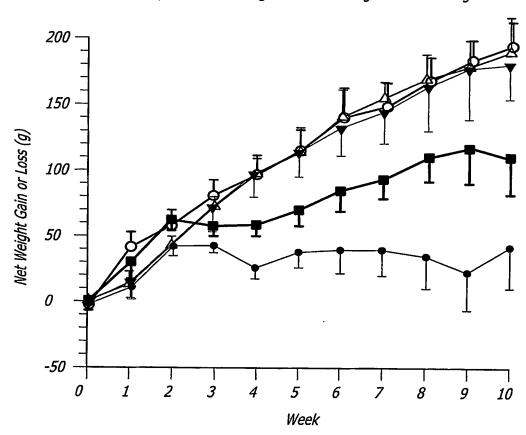


FIG. 3a

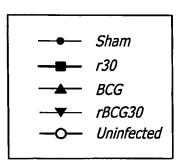


Experiment 1: Weights of Guinea Pigs After Challenge

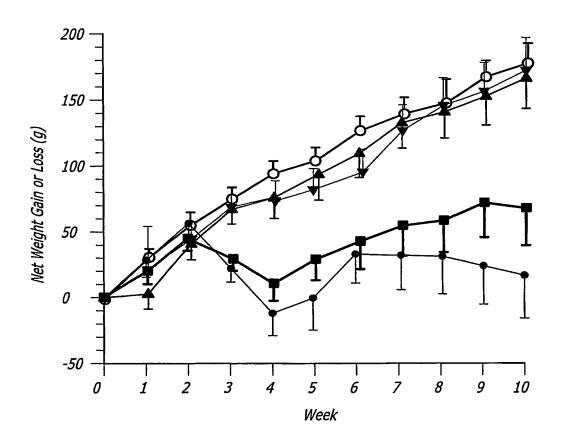


4/13

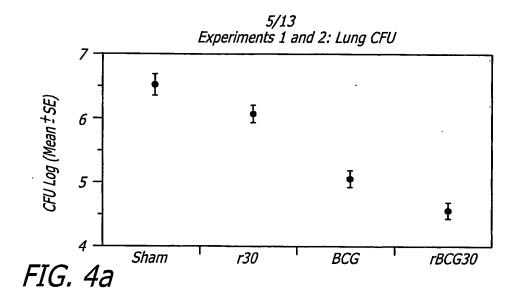


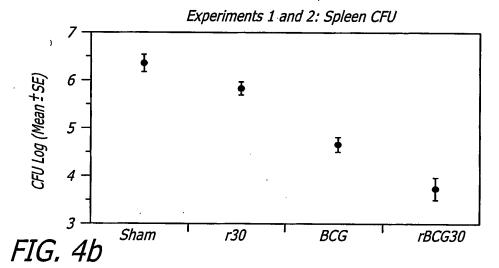


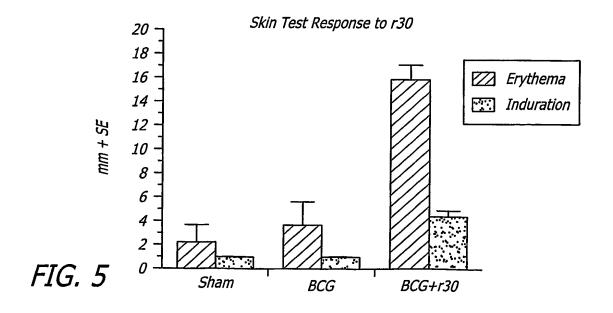
Experiment 2: Weights of Guinea Pigs After Challenge



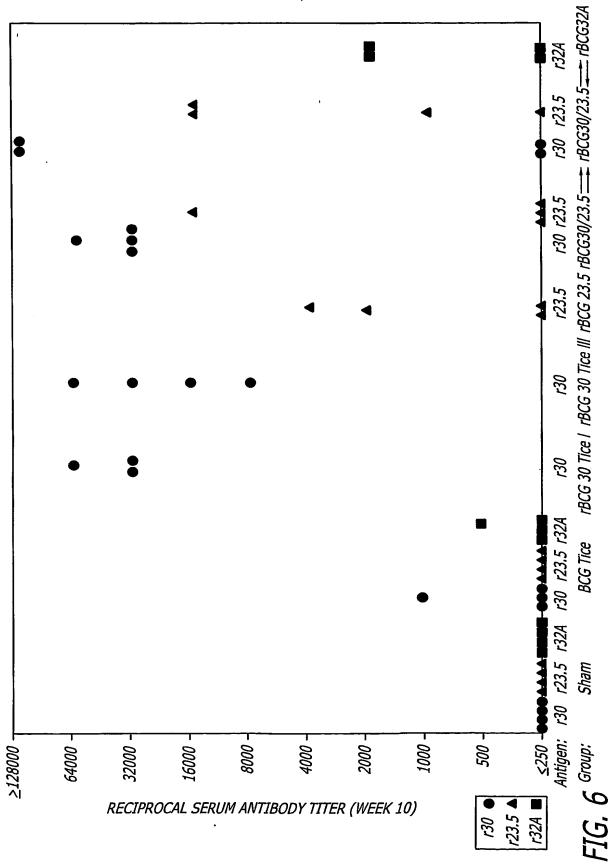
WO 2005/037222 PCT/US2004/034206



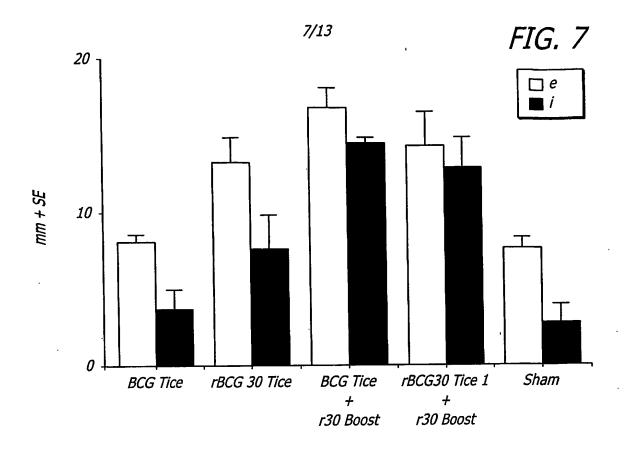


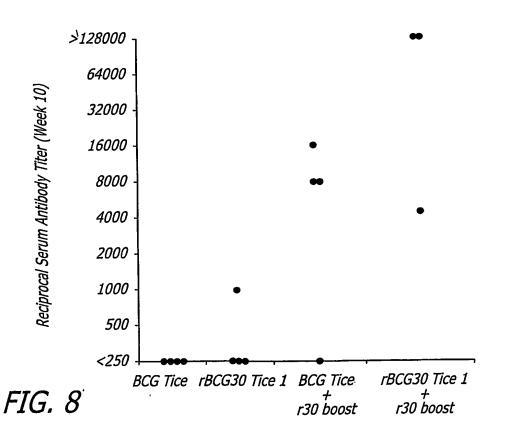






WO 2005/037222 PCT/US2004/034206





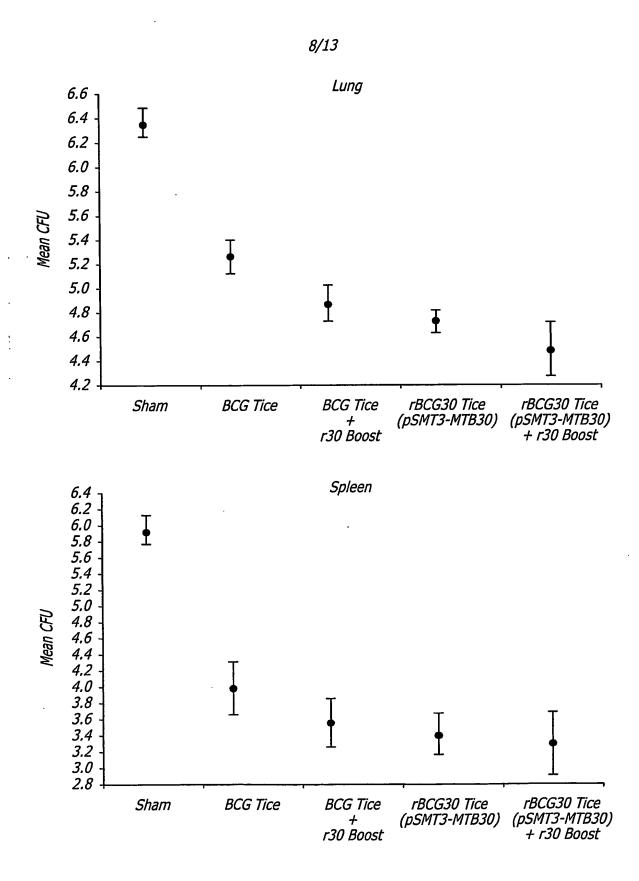


FIG. 9

FIG. 10

Secretion of pGB9.2-30 Expressed M. tuberculosis 30 kDa Protein in Various Mycobacteria

30 kDa Control	9/13	********		
5α 9.2-3(_		
E.~coli DH5 $lpha$ wild-type pGB9.2-30		ပ	0	
E. <i>co</i> d-type				
	STYLD BEET WINE SHOW	ပ	0	
dmar 2-30				
bovis BCG Tice M. tuberculosis Erdman 1-type pGB9.2-30 wild-type pGB9.2-30		ပ	23	
rculo: /pe_p		_		
<i>tube</i> ı wild-ty		ပ		
S.				
Tice		-		
bovis BCG Tice d-type pGB9.2-30		ပ	4	
ovis type		_		i
M. b wild-i	型 机 [整] : "如此位 [[]] [] [] []	ပ	ഹ	:
-2c	理能でき			
atis 1 3B9.2		- 0	લ	1
egma	(
M. smegmatis 1-2c wild-type pGB9.2-30		- 0		-
			rotein CFUJ	
кDа	66 - 45 - 36 - 29 - 20 - 141 - 141		30 kDa Protein [µg/5x10 ⁹ CFU]	č
			r E	C

C = Coomassie-stained SDS-PAGE Gels of Culture Filtrates I = Immunoblots of Culture Filtrates

Two-Plasmid System for the Expression of M. tuberoulosie 30 kDs Drotoin

	asiiia o) V	<u>-</u> 		SSION OF IM	I WO-F TASHING SYSTEM TO THE EXPLESSION OF IM. TUBERCUIOSIS 30 KDA PROTEIN IN IM. DOVIS BUG TICE	s su kda	rotein in	IVI. DOVIS B(<u>5</u> 10e
kDa	wild-type		рМТВ30	pGB9.2-30	pMTB30 pGB9.2-30	wild-type	pNBV1-30	pGB9.2-30	pNBV1-30 pGB9.2-30	30 kDa Control
66 - 36 - 36 - 36 - 36 - 36 - 36 - 36 -		國。北華紅山 國民 網絡用機能 原統正立								10/13
	<u> </u>	•	_ ပ	- o	_ o	о О	_ ပ	_ o	- o	
30 kDa Protein [µg/5x10 ⁹ CFU]	ain Uj 5	Ñ	58	4	42	വ	34	4	48	
C = Coomas	C = Coomassie-stained SDS-PAGE of Entire Ent	DS-P,	AGE Gels	C = Coomassie-stained SDS-PAGE Gels of Culture Filtrates	rates				T	

! = Immunoblots of Culture Filtrates

11/13

